REMARKS

Claims 1-6 remain in the application and have been amended hereby.

As will be noted from the Declaration, Applicants are citizens and residents of Japan and this application originated there.

Accordingly, the amendments made to the specification are provided to place the application in idiomatic English, and the claims are amended to place them in better condition for examination.

An early and favorable examination on the merits is earnestly solicited.

Respectfully submitted,
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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE ABSTRACT OF THE DISCLOSURE

Please amend the Abstract by rewriting same to read as follows.

When a battery is in a standby mode, a microcomputer switches to a sleep mode [if] when no charging/discharging current is supplied within a predetermined time[,] and controls a timer [so as] to start measuring the standby time of the battery. When a charging/discharging current is supplied, the microcomputer switches to a wake-up mode[,] and controls the timer [so as] to stop measuring the standby time. Then, the microcomputer reads the measured standby time. Based on the read standby time, the microcomputer calculates the correction value to correct the currently stored remaining battery capacity value.

IN THE CLAIMS

Please amend claims 1-6 by rewriting same to read as follows.

--1. (Amended) A battery charging/discharging apparatus for determining [the] a remaining capacity of a battery, comprising:

measuring means for measuring a standby time [of] during which the battery is in a standby mode;

correction value calculating means for calculating a correction value for the remaining capacity of the battery based on the standby time measured by said measuring means; and

correcting means for correcting a [current] present remaining capacity value of the battery based on the correction value calculated by said correction value calculating means.

--2. (Amended) [A] The battery charging/discharging apparatus according to Claim 1, further comprising determining means for determining whether [or not] the standby time has reached a

predetermined time,

wherein said correction value calculating means calculates the correction value for the remaining capacity of battery at a predetermined time interval based on [the] a result of said determining means.

--3.(Amended) A battery charging/discharging method of a battery charging/discharging apparatus for determining [the] a remaining capacity of a battery, said battery charging/discharging method comprising the steps of:

measuring a standby time [of] during which the battery is in a standby mode;

calculating a correction value for the remaining capacity of the battery based on the standby time measured in the measuring step; and

correcting a [current] present remaining capacity value of the battery based on the correction value calculated in the calculating step.

--4. (Amended) A battery charging/discharging apparatus for determining [the] a remaining capacity of a battery, comprising:

detecting means for detecting a cell voltage;

reading means for reading [an appropriate] a remaining capacity value based on the cell voltage detected by said detecting means;

comparing means for comparing the [appropriate] a remaining capacity value read by said reading means with a currently stored remaining capacity value; and

updating means for updating the currently stored remaining capacity value based on [the] a result of said comparing means.

--5. (Amended) [A] The battery charging/discharging apparatus according to Claim 4, further comprising setting means for setting the [appropriate] remaining capacity value [that is suitable for] based on the cell voltage.

--6. (Amended) A battery charging/discharging method of a battery charging/discharging apparatus for determining [the] a remaining capacity of a battery, said battery charging/discharging method comprising the steps of:

detecting a cell voltage;

reading [an appropriate] a remaining capacity value based on the cell voltage detected in the detecting step;

comparing the [appropriate] remaining capacity value read in the reading step with a currently stored remaining capacity value; and

updating the currently stored remaining capacity value based on [the] a result in the comparing step.